

## SAFETY DATA SHEET

### Broccoli Seed Oil CP

#### Section 1 – Product Information

##### 1.1. Product identifier

Product name: Broccoli Seed Oil CP

INCI: *Brassica oleracea italica seed oil*

Biological Definition: Brassica oleracea italica is a fixed oil obtained from the broccoli seed

CAS number: 223749-36-8

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant uses: Raw material for product formulation. For cosmetic use only.

Uses advised against: All uses not specified in this section or in section 7.3

#### Section 2 – Hazards Identification

##### 2.1 Classification of the substance or mixture

**Classification (67/548/EEC):** This product is not dangerous according to REACH Regulation 1907/2006.

**Classification (EU1272/2008):** This product does not belong to any list of substances supposedly hazardous to human or animal health according to EU Regulation 1272/2008 & any further amendments, nor to those having recognized exposition limits. Care should be taken when handling hot oil as it may constitute a burn hazard. Spills can constitute a slippage hazard.

**2.2 Label Elements:** Label in accordance with Regulation (EC) No 1272/2008.

**GHS Label:** None.

**Signal Word:** None.

**Contains:** None.

**Hazards Statement:** None.

**Signal Word:** None.

**Precautionary Statements:** None.

**Supplementary Precautionary Statements:** None.

##### 2.3 Other Hazards

**Adverse physio-chemical properties:** None.

**Adverse effects on human health:** None.

## Section 3 – Composition/information on ingredients

### 3.1 Substances

Not Applicable.

### 3.2 Mixtures

Not Applicable.

**This product is certified organic by KIWA – BCS OKo - Garantie GmbH ZA – BIO -141 EU & NOP**

## Section 4 – First aid measures

### 4.1 Description of First Aid Measures

#### General Information

Always remove contaminated clothing immediately.

#### Inhalation

Not expected for this particular product, however always best avoiding proactive inhalation.

#### Ingestion

No instruction as this is a non-toxic product.

#### Skin Contact

No instruction as this is a non-toxic product.

#### Eye Contact

Wash immediately and thoroughly with clean tap water.

### 4.2 Most important symptoms & effects (Acute & Delayed)

None

### 4.3 Indication of any immediate medical attention or special treatment required

Not applicable

## Section 5 – Firefighting measures

<b>5.1 Extinguishing material</b>	Foam, Co2, Dry Chemical Powder.
<b>5.2 Special hazards arising from the substance or mixture</b>	In case of fire, may be liberated: carbon monoxide, unidentified organic compounds.
<b>5.3 Advice for fire-fighters</b>	Standard. Wear self-contained breathing apparatus in confined spaces.

## Section 6 – Accidental release measures

### 6.1 Personal precautions

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under section 7 and 8

### 6.2 Environmental precautions

Do not discharge into drains, water courses or onto the ground. Dispose of in line with local authority guidelines.

### 6.3 Methods & material for containment and cleaning up

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

### 6.4 References to other sections

Refer & consider section 8.

Refer & consider section 13.

## Section 7 – Handling and storage

### 7.1 Precautions for safe-handling

Handle in accordance with good hygiene and safety practice. Keep containers sealed when not in use. Prevent spills & leaks to avoid slip hazard. Always wear personal protective clothing (refer to section 8). Do not eat, drink, sniff or smoke whilst handling this product. Provide suitable mechanical equipment for the safe handling of drums & heavy packages.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep the product container tightly closed, in a dry, ventilated area. Keep away from potential sources of ignition and protected from light. Maintain limited contact with oxygen.

### 7.3 Specific end use(s)

No Specific Data.

## Section 8 – Exposure Controls / Personal Protection

### 8.1 Control Parameters

None.

### 8.2 Exposure Controls

#### Eye Protection

Not required as a non-toxic product, however we still recommend taking precautions by wearing protective eye-wear when handling the product.

#### Hand Protection

None

#### Respiratory Equipment

None

#### Hygiene Measures

None

#### Engineering Measures

None.

## Section 9 – Physical/Chemical Properties

### 9.1 Physical & Chemical Properties

**Appearance**

Oily liquid

**Colour Odour**

Yellow – green

**Relative Density**

No data

**Flash Point (°C)**

>280°C.

**Odour**

Characteristic

**Refractive Index**

1.461 – 1.475

**Melting Point (°C)**

Not applicable

**Boiling Point (°C)**

>100°C.

**Vapour Pressure**

No data.

**Solubility in Water @ 20°C**

Insoluble.

### 9.2 Other Information

No data.

## Section 10 – Stability and Reactivity

### 10.1 Reactivity

Not Applicable.

### 10.2 Chemical stability

Stable under suggested storage conditions (<20°C).

### 10.3 Possibility of hazardous reactions

No.

### 10.4 Conditions to avoid

Storage at high temperatures. Do not store above 20°C.

### 10.5 Incompatible materials

Concentrated acids, alkalis & oxidising agents.

### 10.6 Hazardous decomposition products

This product does not decompose under normal conditions. Under fire conditions the product will produce a mixture of irritating fumes & smoke.

Disclaimer: As the users' condition of work is not known, the information contained in this Material Safety Data Sheet is accurate to the best of our knowledge and is based on the national community regulations. The product must not be employed for uses other than those specified without having previously obtained written handling instructions. Users are responsible for taking all necessary to comply with the requirements of the law and local regulations. The information contained in this sheet should be regarded as the description of the safety requirements relating to our products and not as a guarantee of its properties.

## Section 11 – Toxicological information

### 11.1 Toxicological effect

	A non-toxic product. For pharmaceutical & cosmetic use only. This product does not carry a microbiological specification as it is sterilised in the refining process. It does not contain any impurities. This product is not included in the list of substances prohibited in cosmetic products or subject to restrictions. It does not contain colorants, preservatives or UV filters (Annex II – VI of EU regulation 1223/2009).
<b>Acute Toxicity</b>	
<b>Skin irritation</b>	Not Applicable.
<b>Eye damage or irritation</b>	Not Applicable.
<b>Respiratory or skin sensitivity</b>	Not Applicable.
<b>Germ cell mutagenicity</b>	Not Applicable.
<b>Carcinogenicity</b>	Not Applicable.
<b>Reproductive toxicity</b>	Not Applicable.
<b>STOT – single exposure</b>	Not Applicable.
<b>STOT – repeated exposure</b>	Not Applicable.
<b>Aspiration hazard</b>	Not Applicable.
<b>Other information</b>	Not Applicable.

## Section 12 – Ecological Information

<b>12.1 Toxicity</b>	Low - None.
<b>12.2 Persistence &amp; degradability</b>	>90% (OECD)
<b>12.3 Bio- accumulative potential</b>	None.
<b>12.4 Mobility in soil</b>	Low – None.
<b>12.5 Results of PBT &amp; VPVB assessment</b>	Not Available.
<b>12.6 Other adverse effects</b>	None.

## Section 13 – Disposal Considerations

### 13.1 Waste treatment methods

Always recover spilled product. Discard waste material with authorized waste management services. Act in accordance with local & national waste regulations.

## Section 14 – Transport Information

### 14.1 Transport Information

<b>Warning icon</b>	Road (ADR), Rail (RID), Sea (IMDG) and Air (ICAO), transport not restricted in drums or food tankers.
<b>Shipping Name</b>	Not Applicable.
<b>UN Number (Road)</b>	Not Applicable.
<b>ADR Class</b>	Not Applicable.
<b>Hazard Number (ADR)</b>	Not Applicable.
<b>Hazchem Code</b>	Not Applicable.
<b>UN Number (Sea)</b>	Not Applicable.
<b>IMDG Class</b>	Not Applicable.
<b>IMDG Pack GR.</b>	Not Applicable.
<b>EMS</b>	Not Applicable.
<b>UN Number (Air)</b>	Not Applicable.
<b>Air Class</b>	Not Applicable.
<b>Air Pack GR.</b>	Not Applicable.

## Section 15 – Regulatory Information

### 15.1 Product specific safety, health & Environmental regulations & legislation

<b>EU Directives</b>	Regulation (EC) No 1907/2006 of the European Parliament and of the council of 18 <sup>th</sup> December 2006. Concerning the registration, evaluation, authorization & restriction of chemicals (REACH), establishing a European Chemicals Agency, amending Directive 199/45/EC and repealing council regulation (EEC) No793/93 & commission regulation (EC) No1488/94 as well as council directive 76/769/EEC & commission directive 91/155/ECC, 93/67/ECC, 93/105/EEC & 2000/21/EC (including amendments).
<b>Statutory Instruments</b>	The Chemicals (Hazard Information & Packaging for Supply Regulations 2009 (S.I.2009 No 716).
<b>Approved Code of Practice</b>	Classification & labelling of substances & preparations dangerous for supply. Safety data sheets for substances & preparations.
<b>Guidance Notes</b>	Workplace exposure limits EH40. CHIP for everyone HSG 108.
<b>15.2 Chemical Safety Assessment</b>	Assessment has not been carried out as this is a non-hazardous material according to article 31 of REACH 1907/2006.

## Section 16 – Other information

### 16.1 Other Information

**Allergens:** None.

**Training Instructions: Refer to possible hazard before use of this product.**

#### Abbreviations & Acronyms:

<b>MSDS</b>	Material Safety Data Sheet.
<b>INCI</b>	International Nomenclature of Cosmetic Ingredients.
<b>CAS</b>	Chemical Abstract Service.
<b>IMDG</b>	International Maritime code for Dangerous Goods.
<b>ADR</b>	Accord European sur le transport des marchandises Dangereuses par Route (European Agreement concerning the international Carriage of Dangerous goods by Road).
<b>RID</b>	International Carriage of Dangerous Goods by Rail.
<b>ICAO</b>	International Civil Aviation Organization.
<b>ADN</b>	International Carriage of Dangerous Goods by Inland Waterways.
<b>GHS</b>	Globally Harmonized System of classification & labelling of chemicals.
<b>Trem Card</b>	Transport Emergency Card.
<b>STOT</b>	Specific Target Organ Toxicity.